

**CLAIM AMENDMENT**

Please amend the claims in accordance with the following listing.

**Listing of Claims:**

1. (Currently Amended)      A method including  
selecting tasks from a set thereof for running on a plurality of ~~processors~~ processors, each processor having access to a shared resource;  
wherein each ~~said~~ task of the set of tasks is associated with one of a plurality of scheduling domains, at least one scheduling domain being associated with at least two tasks of the set of tasks;  
and  
prohibiting more than one task associated with the same scheduling domain from running concurrently.
2. (Currently Amended)      A method as in claim 1, including changing ~~said~~ association for at least one task from a first to a second scheduling domain.
3. (Original)      A method as in claim 1, including selecting for running at least one task associated with a plurality of said scheduling domains.
4. (Original)      A method as in claim 1, including selecting for running at least one task not associated with any one of said scheduling domains.

5. (Original) A method including altering a program code base, said program code base defining a plurality of tasks and a set of data structures at least some of which are shared, to include implicit synchronization among said tasks to said data structures.

6. (Original) A method including, in response to a program code base defining a plurality of tasks and a set of data structures at least some of which are shared,

altering said program code base to include program code or data associating each one of said tasks with one of a plurality of scheduling domains; and

providing a scheduler that prohibits more than one task associated with the same scheduling domain from running concurrently.

7. (Currently Amended) A method as in claim 6, including altering said program code base to include instructions in at least one task changing ~~said~~ association of said at least one task from a first to a second scheduling domain.

8. (Original) A method as in claim 6, including altering said program code base to include program code or data in at least one task associating said at least one task with a plurality of said scheduling domains.

9. (Original) A method as in claim 6, including altering said program code base to include program code or data in at least one task associating said at least one task with not any one of said scheduling domains.

10. (Original) A method as in claim 6, wherein said scheduler includes a plurality of runnable queues, one per scheduling domain.

11. (Currently Amended) A method including  
running a plurality of tasks in a multiprocessor system; and  
implicitly synchronizing those tasks with regard to a shared resources ~~resource~~ in said system.

12. (Currently Amended) A system including  
a plurality of ~~processors~~ processors, each processor of the plurality of processors having access to a shared resource;  
a set of ~~tasks~~ tasks, each task of the set of tasks being runnable on more than one of said processors, each said task being associated with one of a plurality of scheduling domains; and  
each said processor including a scheduler that prohibits more than one task associated with the same scheduling domain from running concurrently.

13. (Currently Amended) A system as in claim 12, having at least one task including instructions to change ~~said~~ association of said at least one task from a first to a second scheduling domain.

14. (Original) A system as in claim 12, having at least one task runnable on more than one of said processors and associated with a plurality of said scheduling domains.

15. (Original) A system as in claim 12, having at least one task runnable on more than one of said processors and not associated with any one of said scheduling domains.

16. (Original) A system as in claim 12, wherein said scheduler includes a plurality of runnable queues, one per scheduling domain.

17. (Original) A system including a program code base, said program code base defining a plurality of tasks and a set of data structures at least some of which are shared, said program code base including implicit synchronization among said tasks to said data structures.

18. (Original) A system including  
means for altering a program code base, said program code base defining a plurality of tasks and a set of data structures at least some of which are shared, to include program code or data associating each one of said tasks with one of a plurality of scheduling domains; and

a scheduler that prohibits more than one task associated with the same scheduling domain from running concurrently.

19. (Currently Amended) A system as in claim 18, including means for altering said program code base to include instructions in at least one task changing ~~said~~ association of said at least one task from a first to a second scheduling domain.

20. (Original) A system as in claim 18, including means for altering said program code base to include program code or data in at least one task associating said at least one task with a plurality of said scheduling domains.

21. (Original) A system as in claim 18, including means for altering said program code base to include program code or data in at least one task associating said at least one task with not any one of said scheduling domains.

22. (Original) A system as in claim 18, wherein said scheduler includes a plurality of runnable queues, one per scheduling domain.

23. (Currently Amended) A process comprising performing ~~Implicit~~ implicit synchronization of a plurality of tasks in a multiprocessor system.

24. (Currently Amended) Memory or mass storage including

instructions in a set of tasks each runnable on more than one of a plurality of ~~processors~~  
processors, each processor of the plurality of processors having access to a shared resource; and  
program code or data associating each of said tasks with one of a plurality of scheduling  
~~domains~~; domains; and  
instructions preventing more than one task from running concurrently in the same domain.

25. (Canceled).

26. (Original) Memory or mass storage as in claim 24, including program code or data in at  
least one task associating said at least one task with a plurality of said scheduling domains.

27. (Original) Memory or mass storage as in claim 24, including program code or data in at  
least one task associating said at least one task with not any one of said scheduling domains.

28. (Currently Amended) Memory or mass storage as in claim 24, including instructions  
in at least one task changing ~~said~~ association of said at least one task from a first to a second  
scheduling domain.

29. (Original) Memory or mass storage as in claim 24, wherein said scheduler includes a  
plurality of runnable queues, one per scheduling domain.